Capstone Industry Council Meeting

May 10, 2006



Agenda

0800-0945 Information Sharing

OpeningSue Gardner

Technical Status Update
 Mark Olson

Operations Status UpdateRay Collins

FAA JRC Planning Status Update
 Donna Whitlock

WAAS UpdateJoAnn Ford

Capstone Coalition Update
 Felix Maguire

> 0945-1000 Industry Feedback (Roundtable)

Opening: Status of ATO-E Safety Assessment

- FAA took all ADS-B surveillance data out of ATC displays on March 23, 2006
- Safety Analysis Team gathered data at Anchorage Center April 18-20
- Some services restored:
 - Bethel Tower display
 - Flight Explorer for flight monitoring
 - Archiving flight tracks for search & rescue
- No decision on controller use yet

Opening (continued)

- Rick Day (ATO-E Vice President) Visit in April
- Status of FAA Response to AACC Letter
- Juneau & Ketchikan Operator Meeting Status
- New Capstone FAQs

Technical Status Update

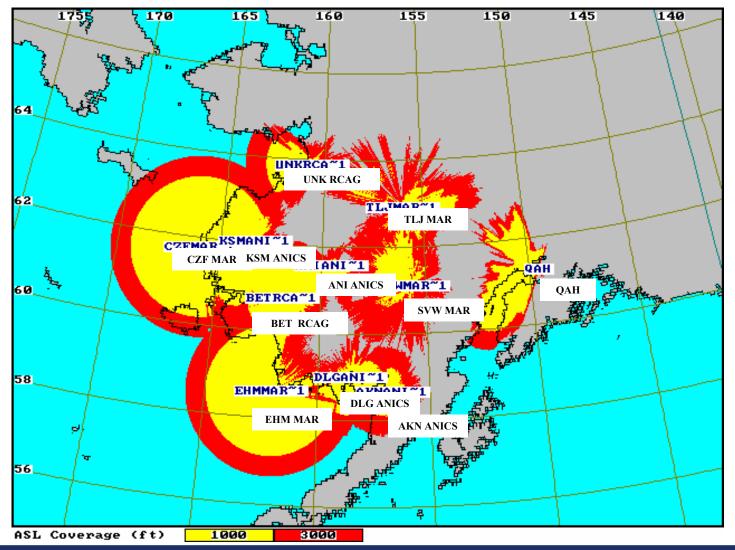
Mark Olson



Recent Events

- ATO-E Safety Assessment (Apr 18-20)
 - Visited ZAN and CPO with questions regarding processes used for implementing
 - Awaiting report
- Fleet Monitoring
 - Connected 10 Y-K Delta Sites to Volpe on April 21 (available on Flight Explorer or any other commercially available vendor)
- Bethel Tower Display
 - ADS-B feed re-established April 20
- FIS-B Product Enhancement Planning
 - TWG meeting in CPO Wed 1:30 3:00 PM

PHASE I GBT SITES



STATUS OF SERVICES

	ADS-B Surveillance	FIS-B	TIS-B	CRABS	VOLPE / Flight Explorer
Phase I: Y-K Delta					
Bethel	% O/S	X	N/A	Х	X
Aniak	% O/S	X	N/A	N/A	X
St. Mary's	% O/S	Х	N/A	N/A	Х
Dillingham	% O/S	Х	N/A	N/A	X
King Salmon	% O/S	X	N/A	N/A	X
Unalakleet	# TBD	х	N/A	N/A	Х
Sparrevohn	# TBD	Х	N/A	N/A	Х
Tatalina	# TBD	Х	N/A	N/A	Х
Cape Romanzof	# TBD	Х	N/A	N/A	Х
Cape Newenham	# TBD	\$ O/S	N/A	\$ O/S	\$ O/S
Site Summit	Spring '06	Х	Х	Х	N/A

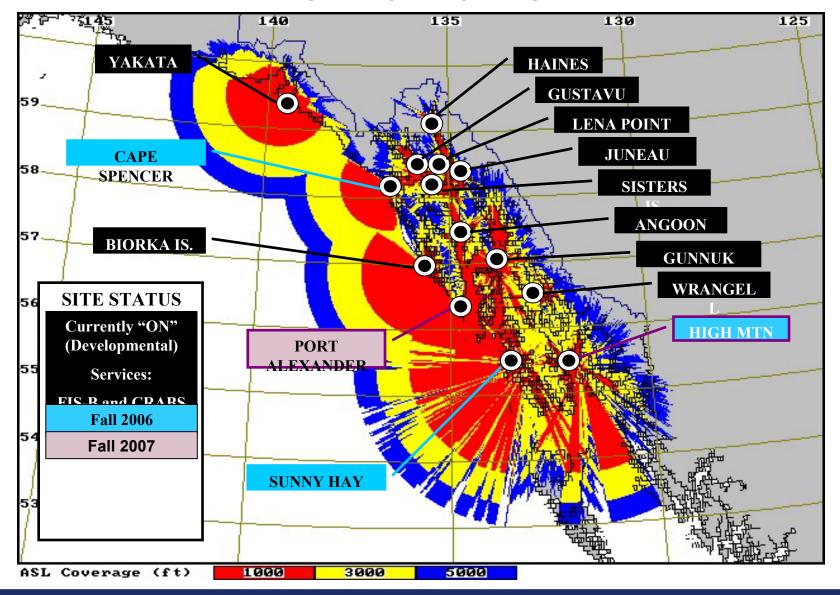
X = Available **N/A** = Not Available

% O/S = Out of Service. On 3/24/06, ADS-B surveillance terminated at the direction of the Vice President for En Route and Oceanic Services (ATO-E). Schedule and plan for restoral has not been established.

TBD = Current date is unknown - awaiting ATO-E decision.

\$ O/S = Out of Service. Cape Newenham - wind damage to satellite communications facility.

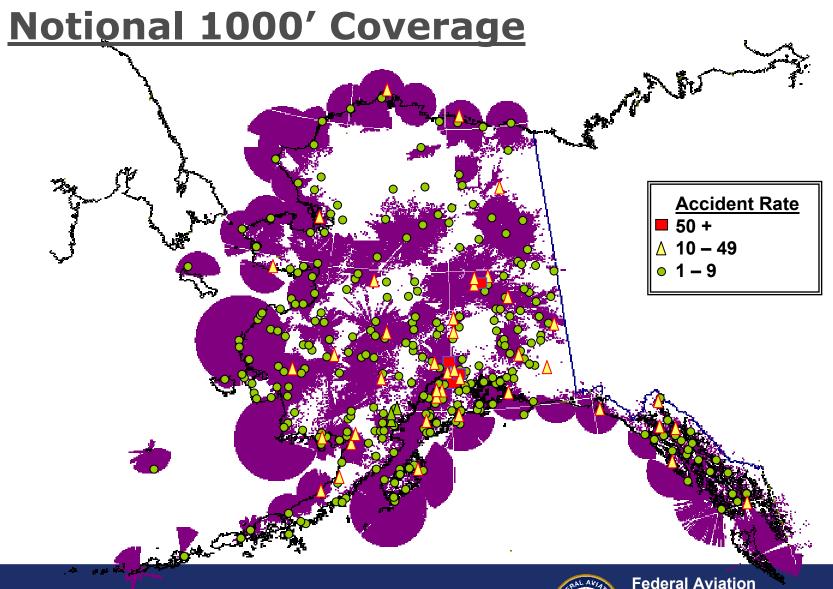
PHASE II GBT SITES



STATUS OF SERVICES

	ADS-B Surveillance	FIS-B	TIS-B	CRABS	VOLPE / Flight Explorer
Phase II: Southeast					
Juneau	Spr '06	Х	N/A	Х	Spr '06
Yakutat	Sum '06	Х	N/A	Х	Sum '06
Sisters Island	Sum '06	Х	N/A	Х	Sum '06
Gustavus	Sum '06	Х	N/A	Х	Sum '06
Lena Point	Sum '06	Х	N/A	Х	Sum '06
Biorka	Sum '06	Х	N/A	Х	Sum '06
Gunnuk	Sum '06	Х	N/A	Х	Sum '06
Wrangel	Sum '06	Х	N/A	Х	Sum '06
Angoon	Sum '06	Х	N/A	Х	Sum '06
Haines	Sum '06	Х	N/A	Х	Sum '06
Sunny Hay	Fall '06	Fall '06	N/A	N/A	Fall '06
Cape Spencer	Fall '06	Fall '06	N/A	N/A	Fall '06
High Mountain	Fall '06	Fall '06	N/A	N/A	Fall '06
Port Alexander	Fall '07	Fall '07	N/A	N/A	Fall '07
X = Available N/A = Not Available					

Statewide - 80 of 85 Sites



Administration

Operations Status Update

Ray Collins

Chelton 6.0B Software Upgrade

- UAA just received Chelton materials to begin training development
- 164 IDUs memory upgraded (< 20 aircraft left)</p>
- Software certification testing lags; 25% of where it should be. Chelton taking steps:
 - Additional testers with IBM license being sought
 - Increase from one shift for testing to two shifts
 - Changing computer set-ups

Capstone SE Installations

Status as of May 10, 2006

Chelton: 5 In progress 5 Remaining Tot: 100

Garmin F/W: 1 In progress 3 Remaining Tot: 39

Garmin Hel: 3 In progress 4 Remaining Tot: 19

GDL90 Ret: 3 In progress 0 Remaining

GDL-IDU: 2 In progress 14 Remaining

Helos: 9 carry-overs being considered for next year (1 Coastal, 8 Temsco)

Issues in Y-K Delta

- N715HE (Caravan) defaults to "1200"
- •Two acft with NIC=0 reported Feb 1-Apr 13 (JHU report)

Remaining Transponder-Equipped Aircraft Needing Garmin 5.7 Software in Y-K Delta

Estimate 14 T/E aircraft remain uninstalled; 9 additional to be installed by May 22, remainder by May 29

JUNEAU Operator Issues and Status								
Issue	OPR	Due Date	Status					
			UAA, Leonard, is waiting on required information from Chelton in order to complete the training documentation. The training classes will not be able to be taught until the software is approved					
Chelton 6.0B Training.	Leonard Kirk		and released by ACO.					
SOW - Continued Maintenance in Juneau.	Dan Stapleton		SOW sent to Nancy Eckroth for review and she sent it to Legal on 5/2/06					
SOW - FITS Pilot and TAA Training.	Larry Hawkins	0.4/0.0/0.0	Done and funding provided. Waiting for Sue to review and provide comments and or changes to Larry. Then it will go to FAA contracting for final processing with UAA.					
Make a plan for operator use of training simulators.	Leonard Kirk	04/20/06						
Need to look into purchasing additional training simulators.	Dennis Gerstung		PR to purchase 4 training simulators for \$70,000 completed on 4/24/06. I think this pertained to the Capstone digital projector. It didn't work well during the SE					
Need to look into getting a projector for use w/ the training.	Leonard Kirk		briefings.					
CPO to invite Steve Turner (Juneau ATCT) and the ATC tower staff to avionics training during next training session in JNU.	Leonard Kirk							
Operators to provide suggestions for better Phase III GBT placement to Leonard Kirk (TWG Chair) by e-mail.								
CPO to initiate a new activity to provide relief on additional MMEL items (i.e., encoder, OAT probe).	Dan Stapleton		Began search for alternatives 5/5/06					
CPO to explore whether WAAS prediction is required for ops specs (see August for details).	August Asay							
Operators to use "Capstone Difficulty Reporting Card" to report problems in the future. Operators can give these cards to Jimmy Wright, Steve Thompson, Leonard Kirk or Sue Gardner. Can get these cards from Jimmy Wright.	Dan Stapleton Jim Wright		Jim Wright is other person to furnish these.					
Operators desire that the pilot be able to set individual preferences for the map scale range and for it to NOT change automatically, unless set into an automatic change mode. Leonard to discuss with Sam Seri (Garmin manager).	Leonard Kirk Dennis Gerstung Larry Hawkins		On 3/24/2006 Capstone personnel explained and physically demonstrated, in a TEMSCO Capstone equipped helicopter, that this is a configurable feature on the MX-20 and may be changed by the pilot to fit their desired configuration. Mr. Horton understood the procedure and seemed satisfied with the explanation presented. See trip report dated 3/24/06. Once familiarity of the equipment is obtained through additional simulator time and training, most of their concerns will be negligible.					
CPO to put Garmin Phase II capabilities into training simulator.	Dennis Gerstung							
Four MX20 spares is not sufficient for SE. Need to acquire more spares.	Dennis Gerstung Larry Hawkins		PR's to purchase 4 spare avionics suites for a total of \$74,744 completed on 4/27/06.					
Terrain blanks out under 300 feet. Software needs to be changed. Sue to talk with Sam Seery.	Sue Gardner Dennis Gerstung Larry Hawkins		It does not blank out; it turns red like it is suppose to when in the terrain only mode because the aircraft is close to the ground. The pilot needs to use other map modes other than the terrain map when manuvering this close to the ground. We demonstrated the split screen mode and others to TEMSCO durring our visit as outlined in the trip report date 3/24/06.					

KETCHIKAN Issues and Status

Capstone to provide 6.0B software informally to allow operators to get a sense of the new software. However, formal training can't start until 6.0B is officially delivered.

CPO will consider GBT site locations at (1) Mountain Point and (2) BOCA for this summer.

Steve
Thompso
n
Steve said he would provide 6.0 software to interested operators

FAA JRC Planning Status

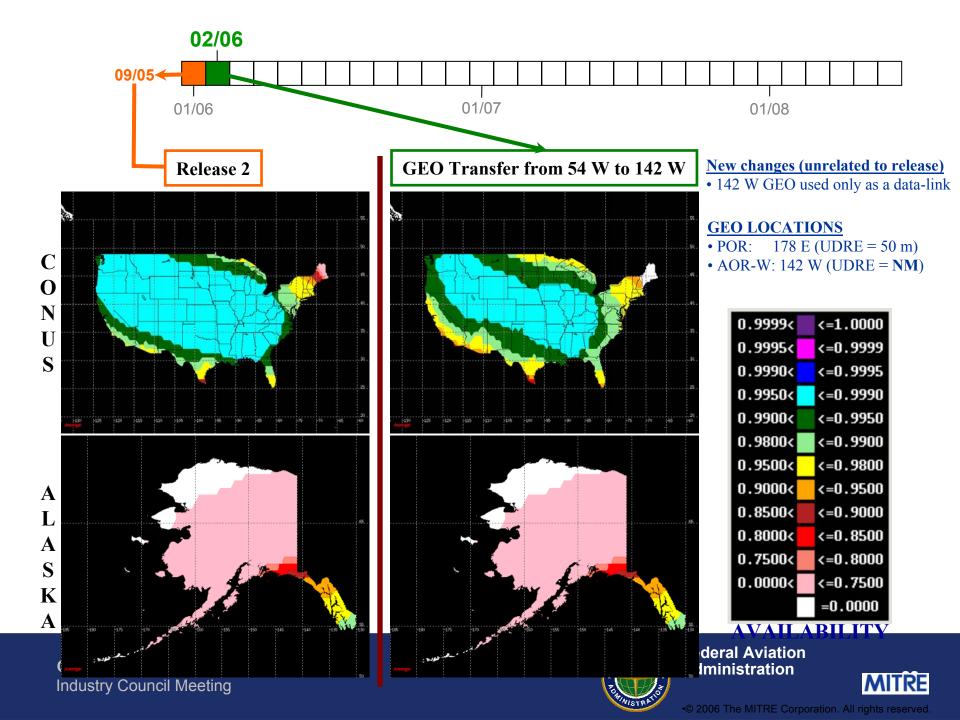
Donna Whitlock

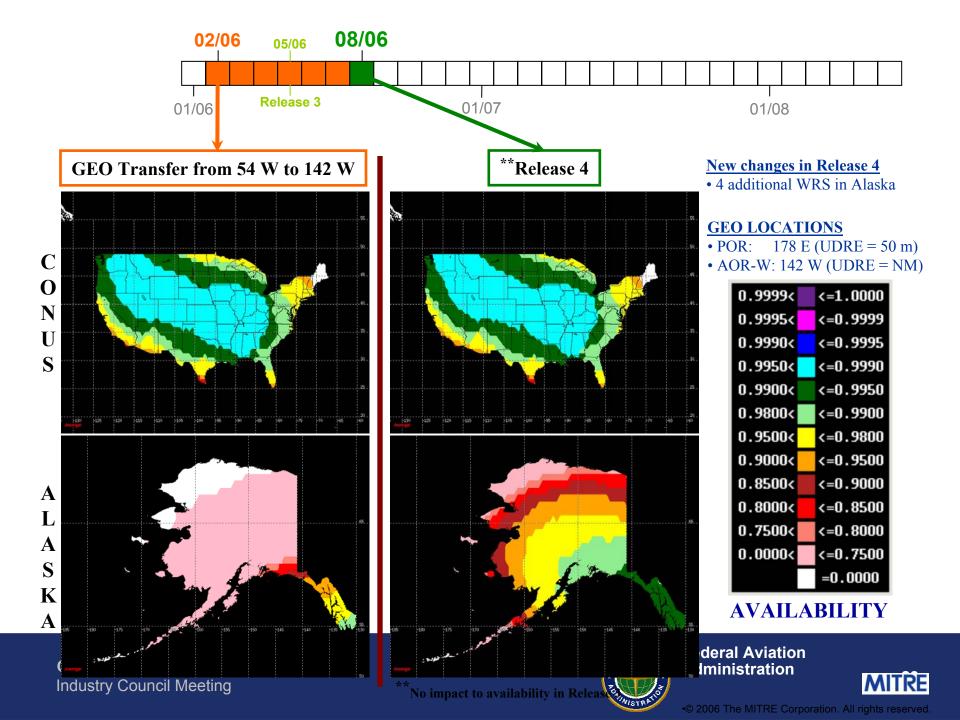
FAA JRC Planning Status Update

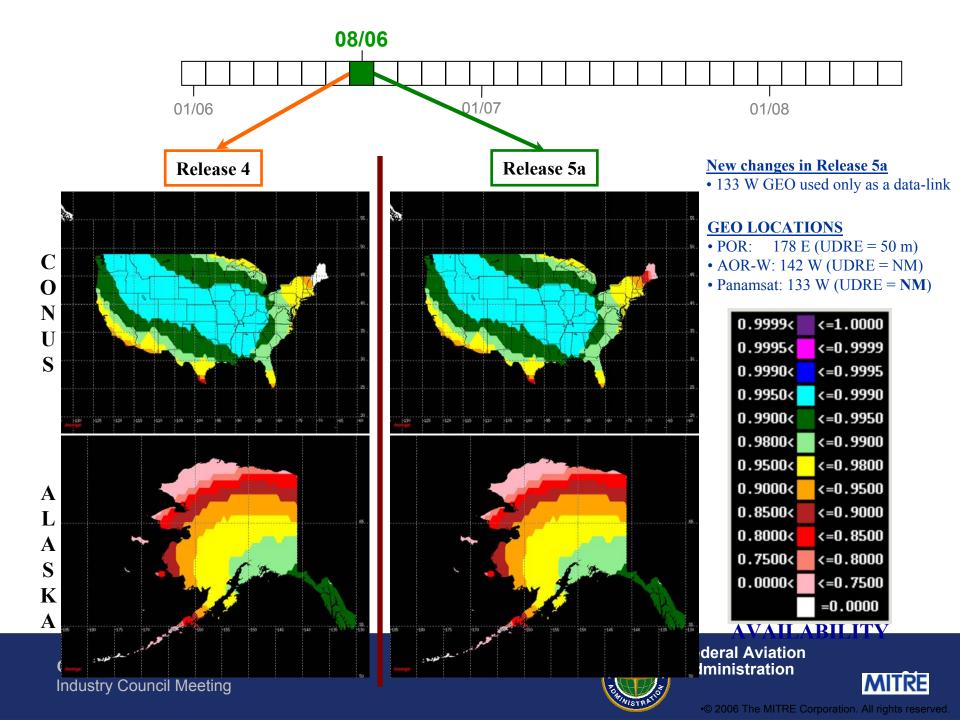
- The JRC makes corporate-level resource decisions, including authorization and funding for new investment programs, and approves investment resources.
- The JRC membership is comprised of the Lines of Business (LOBs) whose support is essential to the success of an investment program. These LOBs include the service organizations that operate or maintain the products as well as the functional disciplines of budget, safety, and legal counsel.
- Capstone obtained JRC approval for follow-on maintenance support for the Phase I and II ground infrastructure.
- Capstone is building the statewide implementation business case to present to the JRC in August 2006 that will provide FAA funding for installation and follow-on maintenance of the ground infrastructure
 - GBTs
 - FIS-B, TIS-B, and Operator Flight Monitoring Services (OFMS)
 - Automated Weather Services
 - Communications
 - Approach/departure procedure development
 - Automation upgrades if needed
- Avionics will be addressed as Capstone is working with the Alaska aviation industry to secure a combination of private and non-private funds (non-FAA) for avionics
- The business case addresses cost, schedule, benefits, and risk
 - Items that are needed to justify the FAA investment

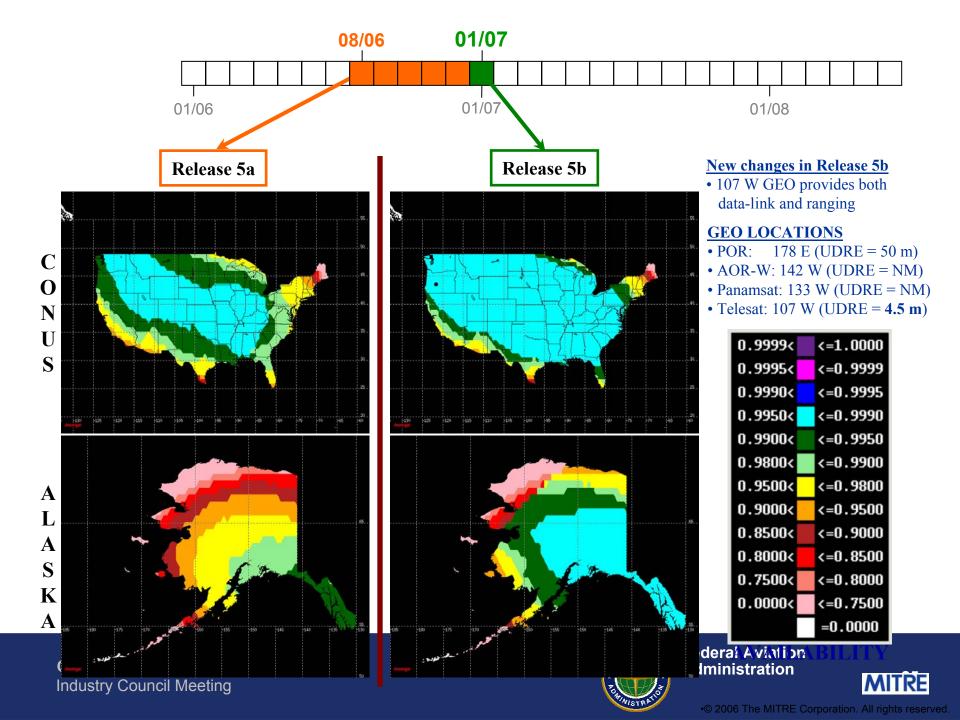
WAAS Update

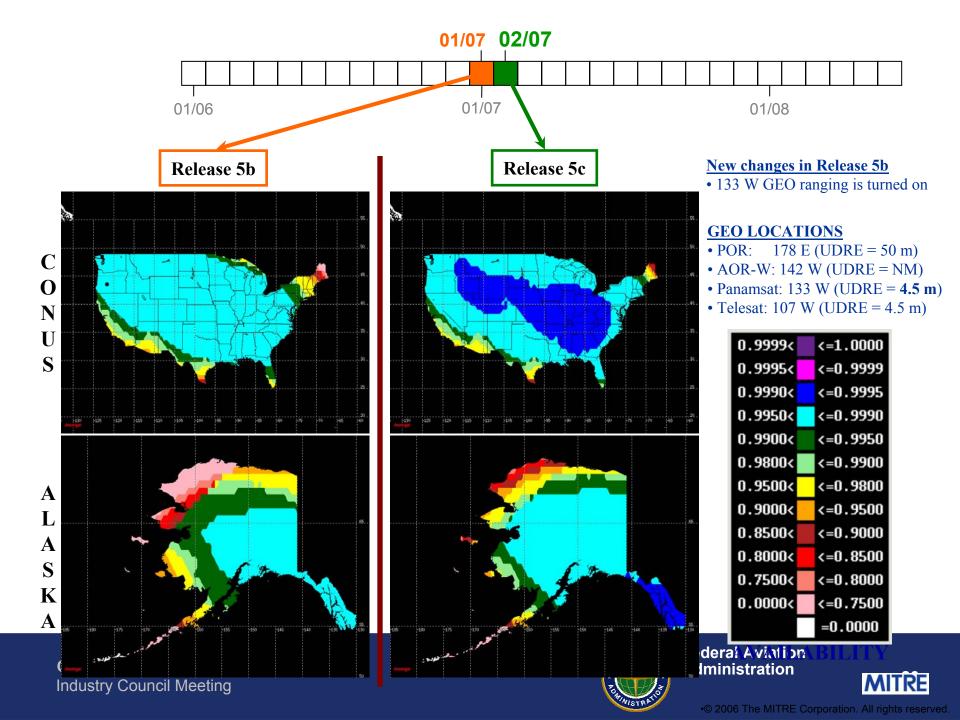
JoAnn Ford

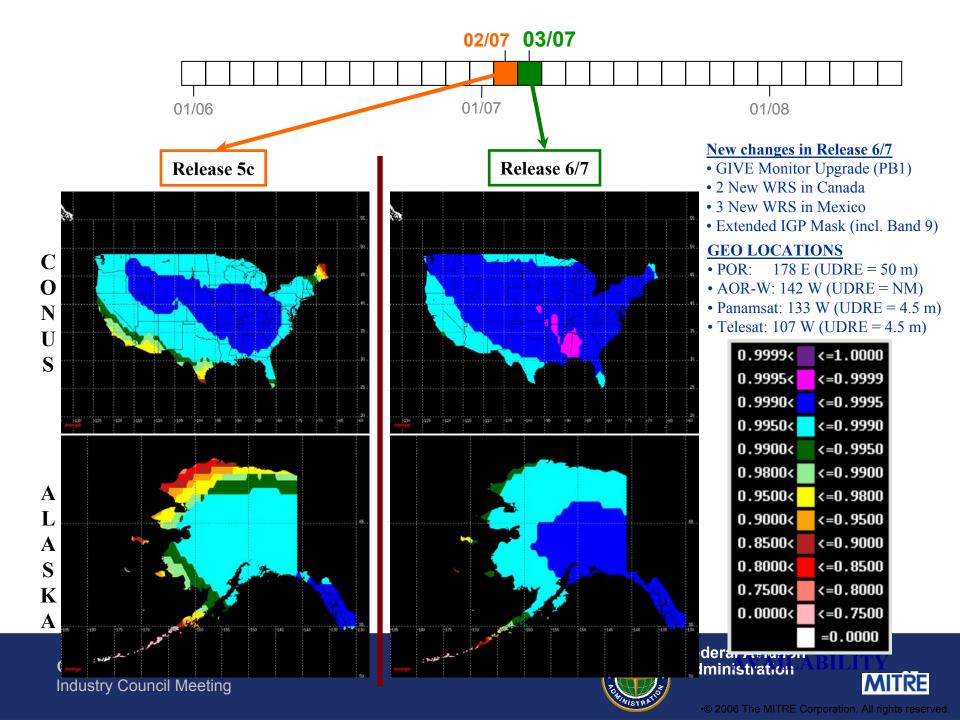


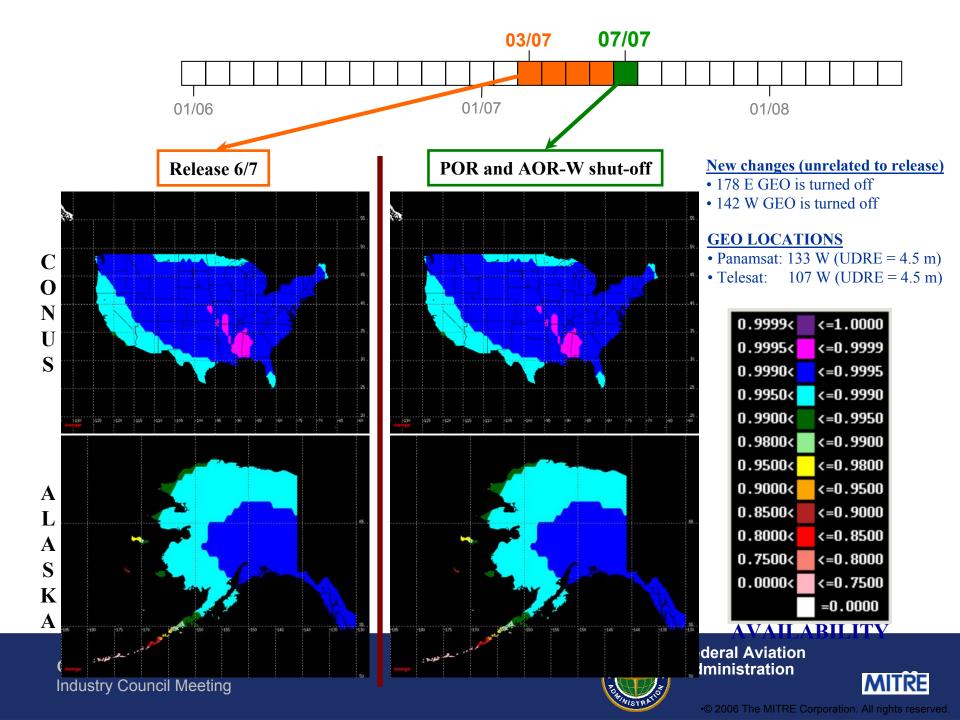


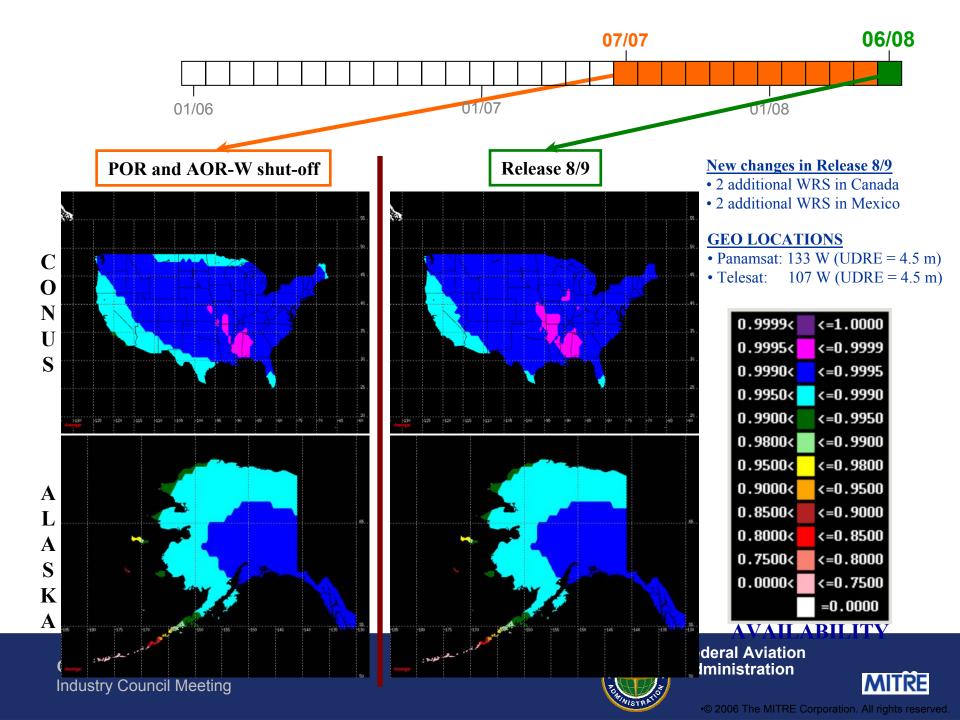












Capstone Coalition Update

Sue Gardner (FAA co-chair)
Felix Maguire (Industry co-chair)